PTO/SB/08A (04-03) Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

he Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 1

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 3

Complete if Known					
Application Number	10/047,986				
Filing Date	01/17/2002				
First Named Inventor	WARBY				
Art Unit	3761				
Examiner Name					
Attorney Docket Number	12654-38108				

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	-	Number-Kind Code <sup>2</sup> (f known)	07/40/4077	B.A Ista	r iganos / tppea.
JE	1	<sup>US-</sup> 4,034,899	07/12/1977	Meshberg	
1	2	<sup>US-</sup> 4,417,890	11/29/1983	Dennehey et al.	
	3	<sup>US-</sup> 4,654,487	02/24/1987	Shishov et al.	RECEIVED
	4	<sup>US-</sup> 4,875,605	10/24/1989	Weston	-OLIVEI)
	5	<sup>US-</sup> 5,474,758	12/12/1995	Kwon	AUG 0 6 2003
	6	<sup>US-</sup> 5,683,361	11/04/1997	Elk et al.	CHAO
	7	<sup>US-</sup> 5,884,820	03/23/1999	Thanisch et al.	CHNOLOGY CENTER R3700
	8	<sup>US-</sup> 6,039,042	03/21/2000	Sladek	31113700
	9	<sup>US-</sup> 6,120,481	09/19/2000	Rennert et al.	
	10	<sup>US-</sup> 5,,904,274	05/18/1999	Warby et al.	
	11	<sup>US-</sup> 2,307,986	01/12/1943	Bolte et al.	
	12	<sup>US-</sup> 2,672,144	03/16/1954	Cohen	
		US-			
		US-			
		US-			
************		US-			
		US-			
		US-			
		US-			

		FOREIC	ON PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
DE	Α	WO 92/06727	04/30/1992	AABERG et al.		
	В	WO 98/51360	11/19/1998	FRID et al.		
	С	WO 98/55168	12/10/1998	BATES		
	D	WO 99/42154	08/26/1999	WARBY et al.		
	Ε	WO 99/46055	09/16/1999	BRUNA, et al.		
	F	WO 00/16835	03/30/2000	CHRISTUP et al.		

Examiner Considered Signature

\*EXAMINER: Initial if reference considered, whether or not obtains in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

PTO/SB/08A (04-03) Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE der the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 2

 Complete if Known

 Application Number
 10/047,986

 Filing Date
 01/17/2002

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

 Filing Date
 01/17/2002

 First Named Inventor
 WARBY et al.

 Art Unit
 3761

 Examiner Name

Attorney Docket Number 12654-38018

Examiner	Cite	Document Number	U. S. PATENT DO	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code <sup>2</sup> (# known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		US-		-	
		US-			
		US-			AUG 0 6 2003
		US-			CIVE
-		US-			AUG O 6 200
		US-			TECHNOLOGY CENTER H3;
		US-			LOTINOLOGY CENTER
		US-			112H H37
		US-			

		FORE	IGN PATENT DOCU	JMENTS		
	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
DE	G	EP 0 808 635 A2	11/26/1997	HOWLETT, David		
1	Н	EP 0 906 765 A1	04/07/1999	GUERET, Jean		
	I	GB 1 338 254	11/21/1973	BIRCH et al.		
	J	GB 2 367 756A	04/17/2002	HARRISON et al.		
	К	DE 197 00 838 A1	07/16/1998	GOLDEMANN, Raul		
	Ĺ	WO 99 49923A	10/07/1999	RENNIE, Paul		

_				
Examiner Signature	1	PEZZ	Date Considered	1/21/04

\*EXAMINER: Initial intererence considered, whether or not clation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

AUG O 1 2003 E

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 3

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 3

Col	mplete if Known	`
Application Number	10/047,986	
Filing Date	January 17, 2002	
First Named Inventor	WARBY	
Art Unit		
Examiner Name		
Attorney Docket Number	12654-38018	

			U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code <sup>2 (# known)</sup>			Figures Appear
		US-			, ECE
		US-			Aus
		US-			Figures Appear  AUG 0 6  TECHINOLOGY CENTER
		US-			-CHNO! Co
		US-			GY CFAI
		US-			TV/E/
		US-			
	<b></b>	US-			_
		US-			
		US-			
		US-			-
		US-			
	<del> </del>	US-		· · · · · · · · · · · · · · · · · · ·	

	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Τ
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> ( <i>if known</i> )	MM-DD-YYYY		Or Relevant Figures Appear	T⁵
J6	М	WO 9102558	03/07/1991	BOEHRINGER		
DE	N	WO 9106333	05/16/1991	NOVO NORDISK		
						┡
						┢
						H

						<u> </u>
Examiner Signature	Az-P	There	Date Considered	1/	21/	D4

\*EXAMINER: Initial if deference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

5, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Under the Paperv Substitute for form 1449/PTO Complete if Known

#### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

NOV 2 0 2003 🕉

(Use as many sheets as necessary)

Sheet 1

	•	
Application Number	10/047,986	-
Filing Date	01/17/2002	
First Named Inventor	WARBY et al.	
Art Unit		
Examiner Name		

Attorney Docket Number 12654-38108

**U. S. PATENT DOCUMENTS** Pages, Columns, Lines, Where Name of Patentee or Cite No.1 Publication Date Examiner **Document Number** Relevant Passages or Relevant Applicant of Cited Document MM-DD-YYYY Initials\* Figures Appear Number-Kind Code<sup>2 (I known)</sup> <del>US-</del> 4,017,007 04/12/1977 Riccio 1 DE US-US-US-US-US-US-US-TECHNOLOGY CENTER R3700 US-US-US-US-US-US-US-ÜS-US-US-

		FORE	IGN PATENT DOCL	JMENTS		
Examiner Cite		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	76
1)6	1	WO 93/11818 A	06/24/1993	Svend et al.		
İ	2	EP 0407276 A	01/09/1991	Brunet et al.		
	3	WO 02 305500 A	04/18/2002	Wright et al.		
	4	WO 01 43529 A	06/21/2001	Paboojian et al		
	5	EP 0 407 276 A	01/09/1991	Brunet et al.		
1	6	FR 2 775 963 A	09/17/1999	Bruna Pascal		

Examiner Signature	A P Ever 2	Date Considered	21/04

\*EXAMINER: Initial if deference considered, whether or not ditation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

NOA 5 0 SOO3 aperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

E TRATE e for form 1449/PTO

Sheet

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

•	•	

Complete if Known				
Application Number	10/048,986			
Filing Date	January 17, 2002			
First Named Inventor	WARBY et al.			
Art Unit				
Examiner Name				
Attorney Docket Number	12654-38018			

	U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant		
	<u> </u>	Number-Kind Code <sup>2 (F known)</sup>			Figures Appear		
		US-	1				
		US-					
		US-					
		US-					
		US-			Dro-		
		US-			NOV 2 6 7003		
		US-			NOV a a		
		US-			2 6 2003		
		US-		- il	ECHNOLOGY CENTER HOLD		
		US-			CENTER ROZUL		
		US-					
		US-					
		US-					
		US-					
		US-			·		
	· · · · · ·	US-					
		US-					
	<b>†</b> •	US-					
	l	US-		-			

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Ι.			
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵			
<b>D</b> 4	7	DE 199 42 791 A	03/15/2001	Ritsche					
1	8	GB 2 087 355 A	05/26/1982	Dubini					
	9	WO 01/10742 A1	02/15/2001	Walker	•	<u> </u>			
						_			
						▙			
					<u> </u>	Щ			

	``	<b>h</b>				<u> </u>
Examiner Signature		ful	nezo	Date Considered	1/21/	04

\*EXAMINER: Initial it reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known

Substitute for form 1449/PTO

Sheet 1

Under the Paperwork Reduction Act of 1995,

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

	-	
Application Number	10/048,986	
Filing Date	January 17, 2002	
First Named Inventor	WARBY et al.	
Art Unit		
Examiner Name		
Attorney Docket Number	12654-38018	

				DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
,D E	1	<sup>US-</sup> 3,272,442	09/13/1966	Rink et al.	
70	2	<sup>US-</sup> 5,341,800	08/30/1994	Clark et al.	
		US-			PECEIVE DEC 0 2 2003
		US-			Elve
		US-			TECHNOLOGY CENTER PST
		US-			ECHNO 2 2002
		US-			LOGY CE
		US-			ENTERPO
		US-			107
		US-			
	İ	US-			
		US-			
	<b>—</b>	US-	,		
		US-			
		US-			
		US-			
	1			1	

••	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages				
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵			
DE	3	WO 96 28367 A	09/19/1996						
						<u> </u>			
	ļ					<u>Д</u>			
						Щ			

	 ·	 			
Examiner Signature	fr -	Date Considered	<i>t </i> :	21/0	04

\*EXAMINER: Initial ff-reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.